

**Amendments to the claims:**

12. (previously amended) An actuator (1) for an assembly of a motor vehicle, comprising:

a unit comprising an electric motor (3), a gear (47), and a motor electronics unit (4),

a housing (9), comprising a gear housing (12) for the gear (47) and an electronics housing (15) for the motor electronics unit (4),

a motor housing (6) of the electric motor (3), wherein said motor housing is connected to the housing (9),

a shaft (19) of the electric motor (3), wherein said shaft protrudes into the gear housing (12),

a brush holder (41) in the housing (9),

a printed circuit board (31), wherein said printed circuit board (31) is disposed in the electronics housing (15) and is connected to an external connection plug (37), wherein said printed circuit board is further electrically connected to the brush holder (41) and to components of the motor electronics unit (4),

wherein the brush holder (41), for installation in the actuator (1), is loosely coupled to the printed circuit board (31).

13. (previously amended) The actuator of claim 12, wherein the brush holder (41), after installation in the actuator (1), is secured to the housing (9).

14. (previously amended) The actuator of claim 12, wherein the brush holder (41) is disposed in the region of the electronics housing (15).

15. (previously amended) The actuator of claim 12, wherein the brush holder (41) is loosely coupled to the printed circuit board (31) by detent elements (43).

16. (previously amended) The actuator of claim 12, wherein electrical components (54) are disposed movably on the brush holder (41) in a receptacle (72), so that electrical connection lines (51) of the electrical components can be connected electrically to the printed circuit board (31) without mechanical stresses, when the brush holder (41) is mounted in the housing (9).

17. (previously amended) The actuator of claim 12, wherein the gear housing (12) and electronics housing (15) comprise at least one upper part (23, 26) and at least one lower part (24, 27), and wherein at least one lower part (24) of the gear housing (12) and at least one lower part (27) of the electronics housing (15) are integral.

18. (previously amended) The actuator of claim 12, wherein at least one upper part (26) of the electronics housing (15) is integral with at least one upper part (23) of the gear housing (12).

19. (previously amended) The actuator of claim 12, wherein the motor housing (6) and at least one part of the housing (9) are integral.

20. (previously amended) The actuator of claim 12, wherein the printed circuit board (31) is fixed to the housing (9) by means of elastic contact-pressure elements (37), wherein said contact-pressure elements are disposed on a lower part of the housing (24, 27).

21. (currently amended) A method for mounting an actuator (1), having an electric motor (30) with a motor housing (6) and having a rotor, wherein said rotor has a shaft (19) with a commutator (58), and having a printed circuit board (31), a housing (9), bearings, a brush holder (41) and electrical components (54), comprising the following steps:

connecting the motor housing (6) of the electric motor (3) to the housing (9), so that part of the shaft (19) with the commutator (58) protrudes into the housing (9);

mounting the brush holder (41) to the printed circuit board (31) having the motor electronics unit (4) and the connection plug (37) by snapping into place detent hooks (43) of the brush holder (41) onto the printed circuit board (31);

introducing the printed circuit board (31) into the housing (9);  
guiding the printed circuit board (31) in the housing (9) by means of at least one guide peg (72);  
guiding the brush holder (41) in the housing (9) by means of at least one guide protrusion (74), wherein brushes of the brush holder (41) grip the commutator (58) and align the brush holder (41) with the commutator (58);  
fixing the brush holder (41) to the housing (9);  
mounting the at least one upper part of the electronics housing (26) and the at least one lower part of the housing (24, 27).

22. (previously amended) The method of claim 21, further comprising the step of releasing the detent hooks (43) of the brush holder (41) from the printed circuit board (31) after installation of the printed circuit board (31) in the actuator (1).